

In place of PTO Form 449 Form				U. S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Complete if Known	
<b>INFORMATION DISCLOSURE          STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				Application Number	10/674,937		
				Filing Date	September 30, 2003		
				Applicant(s)	Gordon G. Sorrells, et al.		
				Art Unit	2857		
				Examiner Name	Donald E. McElheny, Jr.		
SHEET	1	OF	1	Attorney Docket Number	35296.3		

## U. S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

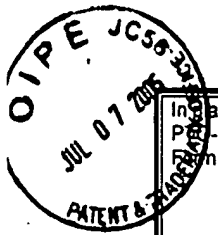
Examiner's Initials	Cite No.	Foreign Patent Document (Country Code - Number - Kind)	Publication Date (MM-DD-YY) (Publication Date - Kind)	Patentee or Applicant of Cited Document	Translation (Y/N)

## OTHER PRIOR ART

Examiner's Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item, date, page(s), volume, issue number(s), publisher, city/country where published.
OK		P. Davis, Surface Deformation Associated with a Dipping Hydro fracture, Journal of Geophysical Research, Vol. 88, No. B7, 1983, pp. 5826-5834.
		<del>Mayerhofer, M., et al; Surface Tiltmeter Mapping, XP 002170044, from SPE 59715, 2000 SPE Permian Basin Oil &amp; Gas Recovery Conference, Midland, TX, March 21 - 23, 2000.</del>
OK		Mayerhofer, M., et al; Tiltmeter Hydraulic Fracture Mapping in the North Robertson Field, West Texas, from SPE 59715, 2000 SPE Permian Basin Oil & Gas Recovery Conf, Midland, TX, March 21-23, 2000, p. 1-8.

Examiner Signature	<i>[Signature]</i>	Date Considered	8/16/05
-----------------------	--------------------	--------------------	---------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.



In place of PPT-1449 Form		U. S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				Application Number	10/674,937
				Filing Date	September 30, 2003
				Applicant(s)	Gordon G. Sorrells, et al.
				Art Unit	2857
				Examiner Name	Donald E. McElheny, Jr.
				Attorney/Docket Number	35296.3
SHEET	1	OF	2		

U. S. PATENT DOCUMENTS				
Examiner's Initials	Cite No.	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document
<i>[Signature]</i>	B1	4,271,696	06/1981	Wood
<i>[Signature]</i>	B2	4,353,244	10/1982	Wood
<i>[Signature]</i>	B3	4,673,890	06/1987	Copland et al.
<i>[Signature]</i>	B4	4,690,214	09/1987	Wittrisch
<i>[Signature]</i>	B5	4,747,454	05/1988	Perryman
<i>[Signature]</i>	B6	5,002,431	03/1991	Heymans et al.
<i>[Signature]</i>	B7	5,040,414	08/1991	Graebner
<i>[Signature]</i>	B8	5,417,103	05/1995	Hunter et al.
<i>[Signature]</i>	B9	5,503,225	04/1996	Withers
<i>[Signature]</i>	B10	5,944,446	08/1999	Hocking
<i>[Signature]</i>	B11	6,253,870	07/2001	Tokimatsu et al.
<i>[Signature]</i>	B12	6,370,784	04/2002	Hunter et al.
<i>[Signature]</i>	B13	20030205375	11/2003	Wright et al.

FOREIGN PATENT DOCUMENTS				
Examiner's Initials	Cite No.	Foreign Patent Document	Publication Date	Patentee or Applicant of Cited Document
<i>[Signature]</i>	B14	WO 00/29716	05/2000	Golder Sierra LLC
<i>[Signature]</i>	B15	WO 01/81724	11/2001	Pinnacle Technologies, Inc.

OTHER PRIOR ART				
Examiner's Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item, date, page(s), volume, issue number(s), publisher, city/country where published.		
<i>[Signature]</i>	B16	C. Cipola and C. Wright, Diagnostic Techniques to Understand Hydraulic Fracturing: What? Why? and How? SPE 59735, 2000 SPE/CERI Gas Technology Symposium, April 3-5 2000, Calgary, Alberta, Canada, p. 1-13.		
<i>[Signature]</i>	B17	E. Davis, C. Wright, S. Demetrius, J. Chol, and G. Craley, Precise Tiltmeter Subsidence Monitoring Enhances Reservoir Management, SPE 62577, SPE Western Regional Conference, June 19-23 2000, Long Beach, CA.		
<i>[Signature]</i>	B18	P. Davis, Surface Deformation Associated with a Dipping Hydro fracture, Journal of Geophysical Research, Vol. 88, No. B7, 1983, pp. 5820-5834. <i>Abstract only.</i>		
<i>[Signature]</i>	B19	P. Perri, M. Emanuele, W. Fong, M. Morea, Lost Hills CO <sub>2</sub> Pilot Evaluation, Design, Injectivity Test Results, and Implementation, SPE 62526, SPE Western Regional Conference, June 19-23 2000, Long Beach, CA, p. 1-13.		
<i>[Signature]</i>	B20	L. Griffin, C. Wright, Z. Moschovidis, Tiltmeter Mapping to Monitor Drill Cuttings Disposal, presented at the 37 <sup>th</sup> US Rock Mechanics Symposium, Vail, CO, 6 - 9 June 1999.		
<i>[Signature]</i>	B21	L. Griffin, C. Wright, E. Davis, S. Wolhart, and E. Davis, Surface and Downhole Tiltmeter Mapping: An Effective Tool for Monitoring Downhole Drill Cuttings Disposal, SPE 63032, 2000 SPE Annual Technical Conference, October 1-4 2000, Dallas TX.		
<i>[Signature]</i>	B22	K. Lang, Improvements in Fracture Stimulation Technology, PTTC Network News, Vol. 7, No. 1, 1 <sup>st</sup> Quarter 2001.		

Examiner Signature	<i>[Signature]</i>	Date Considered	8/16/05
--------------------	--------------------	-----------------	---------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

